



COMMONWEALTH of VIRGINIA

Department of Health DIVISION OF SHELLFISH SANITATION

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CHERRYSTONE INLET

Growing Area # 088
Northampton County
Shoreline Sanitary Survey

Date: 16 June 2004

Survey Period: October 24, 2003 through May 7, 2004

Total Number of Properties Surveyed: 691

Surveyed By: R.S. Bisker & P.H. Widgen

SECTION A: GENERAL

This survey area extends from Reference Point 88 at Wescoat Point to Reference Point 89 at the west end of Washington Ave. in the town of Cape Charles, including Cherrystone Inlet, Remus Creek, Wescoat Cove, Old Castle Creek, Eyreville Creek, Eyrehall Creek, Mill Creek, and Kings Creek and all of their tributaries. The survey boundary was revised and all properties east of Business Rt. 13 in Eastville, east of Rt. 13 to Rt.184, and south of Rt. 184 to the old survey boundary were eliminated.

The topography of the area is relatively low with elevations ranging from less than 5' along the shoreline and marshy areas to 25' in the eastern portion of the survey area. The area is sparsely populated. The economy is based largely upon agriculture and seafood harvesting.

Meteorological data indicated that 3.98" rain fell October 24-31, 1.79" November, 7.28" December, 2.44" January, 2.11" February, 1.37" March, 4.98" April, and .55" May 1-7, for a total rainfall of 24.5" during the survey period.

Most properties in the survey area are served by individual on-site sewage disposal systems. There is a sewage treatment plant with a no discharge design at Cherrystone Family Campground and RV Resort (prop.11). Several properties on the north side of Washington St. in Cape Charles are connected to that town's sewage treatment plant.

Eastville Laundromat now has a rapid sand infiltration system and therefore no longer discharges. The sewage treatment plant for KMC Foods (outside the new survey boundary) no longer have a discharge as it has been closed. There is one hard clam aquaculture operation, Cherrystone Aqua Farms, located next to Ballard Fish and Oyster Co. (prop.60). All water used in the direct operation of growing larva to seed clams comes from the mouth of Kings Creek, is circulated through the facility and is discharged back into Kings Creek. There are two migrant labor camps in the survey area.

Current restriction on shellfish harvesting is Condemned Shellfish Area #088-139, Cherrystone Inlet: Kings Creek, revised 2 August 2000. Copies of bacteriological, hydrographical, and

shellfish closure data are available at the area field office for review. Copies of the current condemnation notices and maps are available via the internet at <http://www.vdh.virginia.gov/oehs/shellfish/>.

Information in this report is gathered by and primarily for use of the Division of Shellfish Sanitation, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. However, the data are made available to various agencies participating in shellfish program coordinated activities or other interested parties. The Engineering Appendix is available by request from the Richmond Office of the Division of Shellfish Sanitation.

Report copies are provided to the local health department for corrective action of deficiencies listed on the summary page in Sections B. 2. and B. 3. and the Department of Environmental Quality for possible action at properties listed on the summary page in Sections B. 1., C. 1. and C. 2. The Division of Soil and Water Conservation is provided information on possible sources of animal pollution found in Section E.

This report lists only those properties which have a sanitary deficiency or have other environmental significance. "Direct" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent resurvey of the area.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

11. Occupant: Cherrystone Family Camping Resort, PO Box 545, Cheriton 23316. Owner: Chad Ballard, PO Box 545, Cheriton 23316. Permit # VPA 01022. The campground has approximately 700 campsites. System consist of 20 communal septic tanks for camper trailers with the capability to hook-up to the sewer connections, septic tanks for each of three bath houses, a recreation center, and welcome center. Effluent from these septic tanks is pumped to a sewage lagoon with two lined cells. After treatment in an aerated cell and a holding cell the effluent goes through a chlorinator and is spray irrigated onto a field with seven one acre spray zones. The field is bermed on three sides and there is a stand of trees on the fourth side. System appeared to be working satisfactorily at time of inspection. The most recent DEQ Wastewater Facility Inspection Report for this facility is attached.

ON-SITE SEWAGE DEFICIENCIES

1. CONTRIBUTES POLLUTION - Location: 1382 Savage Neck Drive. Owner: 23 Lawrence Circle, Apt. 6, Portsmouth, VA. Dwelling - white cement block 1 story. No contact. Indoor shower drains to broken pipe onto ground surface. Sanitary Notice issued 10-24-03 to field #B6.
3. NO FACILITIES – Location: 4444 Savage Neck Drive. Owner: PO Box 2080, Cheriton 23316. Dwelling - white cement block 1 story. No contact. Outdoor seat potty contained feces. Sanitary Notice issued 10-31-03 to field #B38.

6. CONTRIBUTES POLLUTION – Location: Lankford Highway. Owner: PO Box 569, Eastville 23347. Dwelling - white vinyl siding 2-story. No contact. Effluent draining from septic tank onto ground surface ditched to field. Sanitary Notice issued 11-14-03 to field #B55.
10. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 21448 Wilkins Drive. Owner: Major Ltd., 6158 Fern Point Road, Franktown 23354. Dwelling - white frame 2-story. No contact. Kitchen or laundry wastes drain onto ground surface from pipe. Sanitary Notice issued 2-20-04 to field #B194.

POTENTIAL POLLUTION

2. Location: 3462 Savage Neck Road, Eastville 23347. Owner: PO Box 155, Eastville 23347. Dwelling - tan vinyl siding 1-story. 2 persons. Occupant stated that septic system was slow to drain during wet weather.

SECTION C: NONSEWAGE WASTE SITES

INDUSTRIAL WASTES

5. Northampton Auto & Salvage. Location: Courthouse Road. Occupant: PO Box 615, Eastville 23347. Owner: 800 Matyko Drive, Virginia Beach 23464. Business - auto salvage yard. Used automobiles stored in fenced field are salvaged for parts.
7. ***DIRECT*** - Location: PO Box 46, Cheriton 23316. Business - three-stall manual car wash. Car wash wastes discharge through pipe into intermittent stream which eventually drains into Eyrehall Creek. Does not have a discharge permit.
14. Bagwell Oil Co. Inc., PO Box 136, Onancock 23417. Business - fuel oil storage facility. Cement berm around 4 above ground storage tanks. Has above ground storage tank permit #FC055448 from the Department of Environmental Quality.
15. ***DIRECT*** - Ballard Fish & Oyster Co., PO Box 347, Cheriton 23316. Hard clam processing plant (VA-846-SS). Wash down wastes from clam grading discharges directly into Kings Creek. Has VPDESSSS Permit # VA0073679 from Department of Environmental Quality, Water Regional Office.

SOLID WASTE DUMPSITES

4. Location: Courthouse Road, Eastville 23347. Occupant: Northampton County, Eastville 23347. Owner: PO Box 569, Eastville 23347. Public - satellite solid waste dump station. 8 trash dumpsters.

SECTION D: BOATING ACTIVITY

MARINAS

12. Bay Creek Marina and Resort. Owner: Bay Creek Marina and Resort, 1532 Duke of Windsor Rd, Virginia Beach, 23454. Commercial marina. Contacted the manager's office on Mason Ave. Cape Charles. Marina docking and moorings completed with on site shops and office construction on going. There were no boats present on day of inspection. Official opening date for this marina is June 1, 2004. There are 224 slips. Boating services will be fuel, water, electricity, in-out ramp and boat holding tank pump out facilities.

OTHER PLACES WHERE BOATS ARE MOORED

8. Salt Grove, Robin Road, Cheriton 23316. Owner: Furlong H. Baldwin, PO Box 1477, Baltimore, MD 21203. Private boat facility. 6 slips. Present at time of survey were 1 pleasure and 4 workboats 26' or less, and 1 pleasure boat greater than 26'. Boating services provided are fuel, water, electricity, and ramp. Sanitary services provided are 1 commode. Sewage disposal is by septic tank with effluent pumped to drain field, which appeared to be working satisfactorily at time of inspection. There are no boat holding tank pump-out facilities provided.
13. Kings Creek Landing. Owner: FFS.LLC, PO Box 72, Cape Charles 23310. Private marina for planned community residents. There are four homes completed at time of survey. No contact. 86 slips. Present at time of survey was 1 pleasure boat under 26'. The only boating service provided is electricity. There are no sanitary facilities and no boat holding tank pump-out facilities provided.
16. Cherrystone Family Camping and RV Resort, PO Box 545, Cheriton 23316. Private boating facility for campers. 51 moorings. There were no boats present at time of survey. Boating services provided are electricity, and an in-out ramp. Sanitary facilities provided are 24 commodes, 8 urinals, 32 lavatories, and 19 showers for men and 24 commodes, 31 lavatories, and 18 showers for women. These facilities are located in the campground. All sewage at the campground is handled by the sewage treatment plant on site. A portable privy is located near the boat ramp. There are no boat holding tank pump-out facilities provided.

UNDER SURVEILLANCE

-None-

SECTION E: CONTRIBUTES ANIMAL POLLUTION

9. ***DIRECT*** – Occupant: Mary Ordeman, 2598 Cherrystone Road, Cheriton 23316. Owner: Tidewater Realty & Security Corp., Dr. Leonard Oden, 6304 Sewells Point Road, Norfolk 23513. Dwelling- white asbestos siding & red brick 2-story. 2 persons. Present at time of survey were 7 goats, 2 sheep, & 10 geese with access to pond that drains to creek.
10. Location: 21448 Wilkins Drive, Cheriton 23316. Owner: Major, LTD., Curtis Jones Jr., 6158 Fern Point Road, Franktown 23354. Dwelling- white frame 2-story. No contact. Present at time of survey were 10-15 sheep in pen.

SUMMARY

Area # 088
Cherrystone Inlet
16 June 2004

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

0 – DIRECT – None
1 – INDIRECT – # 11
1 – B.1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES – Correction of deficiencies in this section is the responsibility of the local health department.

0 – CONTRIBUTES POLLUTION, DIRECT – None
2 – CONTRIBUTES POLLUTION, INDIRECT – # 1, 6
0 – CP (Kitchen or Laundry Wastes), DIRECT – None
1 – CP (Kitchen or Laundry Wastes), INDIRECT – # 10
0 – NO FACILITIES, DIRECT – None
1 – NO FACILITIES, INDIRECT – # 3
4 – B.2. TOTAL

3. POTENTIAL POLLUTION – Periodic surveillance of these properties will be maintained to determine any status change.

1 – POTENTIAL POLLUTION – None

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

2 – DIRECT – # 7, 15
2 – INDIRECT – # 5, 14
4 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

0 – DIRECT – None
1 – INDIRECT – # 4
1 – C.2. TOTAL

SECTION D: CONTRIBUTES BOAT POLLUTION

1 – MARINAS – # 12
3 – OTHER PLACES WHERE BOATS ARE MOORED – # 8, 13, 16
0 – UNDER SURVEILLANCE – None
4 – D TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

1 – DIRECT – # 9
1 – INDIRECT – # 10
2 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Cherrystone Inlet
088
Shoreline Sanitary Survey

Northampton County

Date: 16 June 2004

Survey By: R.S. Bisker & P.H. Widgen

Number of Properties Surveyed: 691

0 0.25 0.5 1 Miles



37°20'0"N

37°20'0"N

37°17'30"N

37°17'30"N

Legend

Seawater Sampling Stations

Active

Inactive

Sewered areas

DGIF Boat Ramps

Shoreline Survey Deficiencies

Sewage Treatment Facility - Direct

Sewage Treatment Facility - Indirect

Contributes Pollution - Direct

Contributes Pollution - Indirect

Contributes Pollution (Kitchen or Laundry wastes) - Direct

Contributes Pollution (Kitchen or Laundry wastes) - Indirect

No Facilities - Direct

No Facilities - Indirect

Potential Pollution

Industrial Wastes, Direct

Industrial Wastes, Indirect

Solid Waste Dumpsite - Direct

Solid Waste Dumpsite - Indirect

Boating Activity

Contributes Animal Pollution - Direct

Contributes Animal Pollution - Indirect